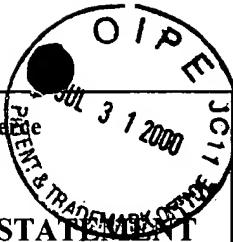


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**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
Qm	5	9	4	2	4	9	6	08/24/1999	Bonadio et al.	514	44	
Qm	5	8	5	5	6	1	9	01/05/1999	Caplan et al.	423	11	
Qm	5	9	1	0	5	8	2	06/08/1999	Elliot et al.	534	23.5	
Qm	5	8	8	5	8	2	9	03/23/1999	Mooney et al.	435	325	
Qm	5	9	1	0	4	3	1	06/08/1999	Ni et al.	435	69.5	
Qm	5	8	9	1	4	5	5	04/06/1999	Sittinger et al.	424	424	
Qm	5	8	0	0	5	3	7	09/01/1998	Bell	423	11	
Qm	5	5	5	9	0	2	2	09/24/96	Naughton et al.	435	370	
Qm	5	6	2	4	8	4	0	04/29/1997	Naughton et al.	435	395	
Qm	5	2	7	0	1	9	2	12/14/1993	Li et al.	435	174	
Qm	5	0	4	3	2	6	0	08/27/1991	Jauregui et al.	435	1	
Qm	4	8	5	3	3	2	4	08/01/1989	Viles et al.	435	2	

**FOREIGN PATENT DOCUMENT**

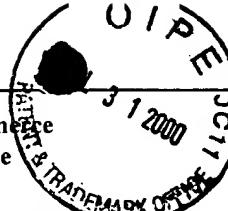
	Document No.							Date	Country	Class	SubClass	Translator Yes No

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

Qm Michalopoulos, et al., 1999, "Morphogenetic events in mixed cultures of rat hepatocytes and nonparenchymal cells maintained in biological matrices in the presence of hepatocyte growth factor and epidermal growth factor", *Hepatology* 29:90-100

Examiner  M.  Date Considered 9/24/01

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Filing Date  
December 7, 1999Group  
1614

TECH CENTER 1600/2898

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

Mitaka et al., 1999, "Reconstruction of Hepatic Organoid by Rat Small Hepatocytes and Hepatic Nonparenchymal Cells", *Hepatology* 29:111-125

Cable, 1997, "Exposure of Primary Rat Hepatocytes in Long-Term DMSO Culture to Selected Transition Metals Induces Hepatocyte Proliferation and Formation of Duct-Like Structures", *Hepatology* 26:1444-1445

Kay et al., 1997, "Liver regeneration prospects for therapy based on new technologies", *Molecular Medicine Today* 3:108-115

Block et al., 1996, "Population Expansion, Clonal Growth, and Specific Differentiation Patterns in Primary Cultures of Hepatocytes Induced by HGF/SF/ EGF and TGF $\alpha$  in a Chemically Defined (HGM) Medium", *J. Cell Biol.* 132:1133-1149

Tateno et al., 1996, "Long-Term Cultivation of Adult Rat Hepatocytes That Undergo Multiple Cell Divisions and Express Normal Parenchymal Phenotypes", *Am. J. Pathol.* 148:383-392

Fausto et al., 1995, "Role of growth factors and cytokines in hepatic regeneration", *FASEB J.* 9:1527-1536

Martinez-Hernandez et al., 1995, "The extracellular matrix in hepatic regeneration", *FASEB J.* 9:1401-1409

Mikata et al., 1995, "Growth and Maturation of Small Hepatocytes Isolated from Adult Rat Liver", *Biochem. Biophys. Res. Commun.* 214:310-317

Jukkola et al., 1993, "Procollagen synthesis and extracellular matrix deposition in MG-63 osteosarcoma cells", *J. Bone Mineral Research* 8:651-657

Mikata et al., 1993, "Effects of Mitogens and Co-Mitogens on the Formation of Small-Cell Colonies in Primary Cultures of Rat Hepatocytes", *J. Cell Physiol.* 157:461-468

Mikata et al., 1993, "Effect of Age on the Formation of Small-Cell Colonies in Cultures of Primary Rat Hepatocytes", *Cancer Res.* 53:3145-3148

Mikata et al., 1992, "Small Cell Colonies Appear in the Primary Culture of Adult Rat Hepatocytes in the Presence of Nicotinamide and Epidermal Growth Factor", *Hepatology* 16:440-447

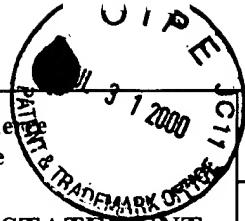
Takezawa et al., 1992, "Morphological and Immuno-Cytochemical Characterization of a Heterospheroid Composed of Fibroblasts and Hepatocytes", *J. Cell Sci.* 101:495-501;

Examiner

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Filing Date  
December 7, 1999Group  
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*an* | Kost et al., 1991, "Effect of 2% Dimethyl Sulfoxide on the Mitogenic Properties of Epidermal Growth Factor and Hepatocyte Growth Factor in Primary Hepatocyte Culture", *J. Cell Physiol.* 147:274-289;

*an* | Mikata et al., 1991, "Multiple Cell Cycles Occur in Rat Hepatocytes Cultured in the Presence of Nicotinamide and Epidermal Growth Factor", *Hepatology* 13:21-30;

*an* | Ausebel et al., 1989, *Current Protocols in Molecular Biology*, Greene Publishing Associates & Wiley Interscience, New York;

*an* | Sambrook, et al., 1989, *Molecular Cloning: A Laboratory Manual*, Second Edition, Cold Spring Harbor Laboratory Press, New York;

*an* | Senoo et al., 1989, "Co-Culture of Fibroblasts and Hepatic Parenchymal Cells Induces Metabolic Changes and Formation of a Three-Dimensional Structure", *Cell Biol. Internat. Reports* 13:197-206;

*an* | Freshney, 1987, *Culture of Animal Cells, A Manual of Basic Technique*, 2d Ed., A.R. Liss, Inc., New York, Ch.9, pp. 107-126;

*an* | Demetriou et al., 1986, "New Method of Hepatocyte Transplantation and Extracorporeal Liver Support", *Ann. Surg.* 9:259-271;

*an* | Landry et al., 1985, "Spheroidal Aggregate Culture of Rat Liver Cells: Histotypic Reorganization, Biomatrix Deposition, and Maintenance of Functional Activities", *J. Cell Biol.* 101:914-923;

*an* | Hagger et al., 1983, "Neonatal Hepatocyte Culture on Artificial Capillaries; A model for Drug Metabolism and the Artificial Liver", *ASAIO J.* 6:26-35;

*an* | Seglen et al., 1976, "Preparation of isolated rat liver cells", *Methods in Cell Biology* 13:29-83.

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Date Considered

*9/24/01*

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.